WATER LEVEL MEASUREMENTS

- Verify accuracy of water level tapes
- Decontaminate water level tapes prior to use
- Open well to vent
- Scan breathing zone with PID while standing with wind direction to left or right
- Tag water level with water level tape
  - Check previous water level
  - Spool tape gradually into well; wet minimal length of tape
  - Record water level to nearest 0.01 foot
- Decon wetted portion of tape with isopropyl alcohol and de-ionized water rinse

WELL PURGING PROCEDURE

- Check sample documentation and bottle sets to ensure accuracy
- Open well to vent
- Scan breathing zone above well with PID
- Overlay area with plastic drop cloth
- Check and record water level
- Determine well/purge volume
- Install pump/tubing into water column to appropriate depth
- Begin purge slowly, monitor draw down to determine appropriate flow
- Monitor and record parameters pH, conductivity, temperature, turbidity, and dissolved oxygen on each well volume
- Purge minimum 3 volumes; ensure parameters stabilize within 10 percent

WELL SAMPLING PROCEDURES

- Record date, time, and sign pre-labeled sample bottles and fill as appropriate in following order:
  - VOCs
  - SVOCs
  - Inorganics
  - Major cations/anions
- Grundfos™ pump wells are sampled using Teflon® bailers
- Peristaltic wells are sampled using Teflon® tubing and vacuum bottle
- Place samples on ice
- Discharge purge water at B359 decon pad
- Deliver field equipment to decon team for decontamination
- Transfer samples to sample management team

SAMPLE MANAGEMENT

- Receive, sign, and date Chain-of-Custody (C-O-C) for samples from sampling team
- Check sample bottles with C-O-C to ensure sample set is complete
- Check pH of appropriate samples and adjust as necessary
- Place glass bottles in bubble-wrap bags; place all bottles in re-sealable bags
- Double-bagged ice placed below, between and on top of samples
- Remaining space filled with sheet bubble wrap
- C-O-Cs signed and dated as transferred to bonded next-day courier and taped to inside lid of cooler
- Custody seals placed over cooler lid seal and clear packing tape used to secure cooler